



GEA MultiFormer

General info

The GEA MultiFormer adds appeal to food by forming red meat, pork, poultry, seafood, cheese, vegetables and meat replacement products into virtually any shape. The simple design delivers high production capacities, and it comes with a programmable PLC to optimize the forming cycle for every individual product. Easily exchanged forming plates guarantee fast product changeover times. There are three line widths: 400, 600 and 900 mm.

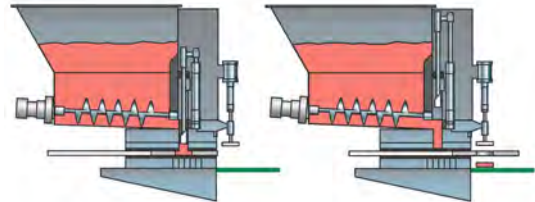
- Forms a huge variety of shapes and materials
- Accurate portion control for high yield
- From mid to high end range production capacities
- Options for products with paper and portion loading
- Easy and quick product changeover



Working principle

The GEA MultiFormer produces rectangular, round, triangular, irregular and novelty shapes with a flat or 3-dimensional appearance. The machine is suitable for meat, chicken, fish, vegetables, potato and vegetarian products. The proven 'plug and play' product changeover means the machine can be equipped with different form plates in minute. Simplicity of operation makes this machine an industry benchmark for versatility in case ready and meal component applications.

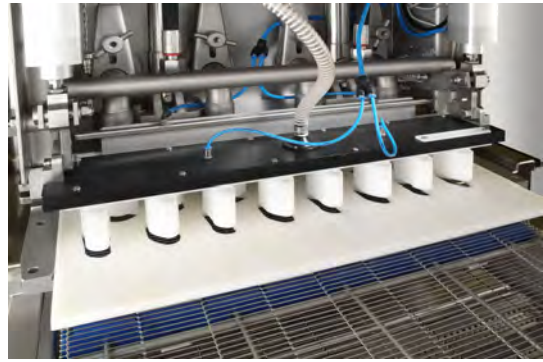
- User-friendly operation, cleaning
- Simplicity of tooling change
- Versatile
- Low maintenance cost



Performance

The heavy-duty GEA MultiFormer is very reliable and delivers production capacities up to 2500 kg/h. Experience has shown that uptime of 98% or higher is possible, while low maintenance costs ensure value for money. The hopper and feeding system are designed for easy cleaning when changing to different product material. The hopper is easily lifted for access for cleaning and tooling change. Relevant parameters such as capacity, product pressure and product feeding are stored per product recipe. Process control is via a GEA touchpanel interface. The combination of a simple and effective design, high output, low energy consumption, accurate portioning and high product yield makes the GEA MultiFormer a leader in overall efficiency.

- The versatility to form products in a wide market range
- From mid to high end range production capacities
- Option for products with paper in between the products
- Accurate portioning with minimum waste
- Fast time to market for new products



Output quality

Recipe management via the operator panel helps ensure constant product quality. Consistent product feed by a horizontal auger and step-feeding system minimizes structural damage to the product. For non-free flowing products, a bridge breaker can be installed to avoid hopper blockage. Low weight deviation is ensured due to accurate alignment of feeding hopper, press system and form plate, and minimized tolerances between form plate and counter plates. Product give-away is reduced to almost zero by the patented GEA Vario Seal system option.

- High quality with excellent structure retention
- Accurate portion control for high yield
- Minimum give-away by the patented GEA Vario Seal system
- Step-feeding system
- Recipe management

Flexibility

The GEA MultiFormer is modular, which reduces the integration of forming accessories to minutes. It can be equipped with a paper interleaver or a ball rolling unit to create round products. Also automated product portioning in trays is possible.

- The versatility to form products in a wide market range
- Easy and quick product changeover



Controls

The GEA MultiFormer has a programmable PLC with a GEA touchpanel interface to optimize the forming cycle for every individual product. High standard in operating philosophy, recipe control, userfriendly and equipped with different operating levels like maintenance, cleaning, line operators and production.

- Accurate process control
- Programmable PLC with operator friendly touchpanel



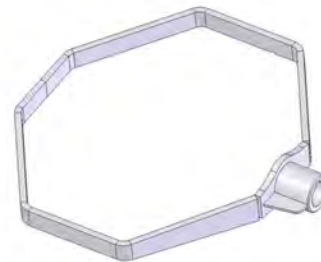
Technical specifications

Label	400	600	900	Unit
Dimension	2568 x 3140 x 914	2579 x 2881 x 1652	2579 x 3003 x 2000	mm
Belt width	400	600	900	mm
Max. capacity	60	75	60	Strokes/min
Max. filling, volume/stroke	1.1	1.57	1.50	l
Electric power	8	23	23	kW
Air consumption	300	300	300	nl/min / cft/min
Machine weight	1200	1820	2440	kg
Hopper volume	270	380	530	l

Accessories / Options

GEA BridgeBreaker

- Minimize product bridging in the hopper
- Ensure consistent flow towards pressing/filling chamber
- Larger product temperature fluctuation possible inside former hopper



GEA Forming Plates

- Efficient designs, built for accurate shaping and portion weight
- Lightweight, durable construction for reliable, long-life operation
- Custom design capabilities
- 2D, single side 3D and double 3D shapes



GEA Paper Interleaver

- Prevents products sticking together (fresh or frozen situation)
- Added value to your end product
- Simple design, which can be attached to a GEA MultiFormer or FreshFormer
- Easy access to paper cassettes for refilling during production



GEA Ball Rolling Unit

- To roll cylindrical products between 5 and 50 gram
- Top belt moves back and forth crosswise
- For 400 and 600 mm wide lines



GEA Process Controls

- Automate management of production recipes
- Scheduling of production batches
- Production reporting
- Material tracking and tracing
- Manually influence production





Επίσημος Αντιπρόσωπος:



CFS Industrial

Λευκάδος 22, Γλυκά Νερά
15354, Αττική

www.cfs-industrial.gr

support@iosd.gr, sales@iosd.gr

τ. 210 6655240, φ. 2106655230

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GEA

info@gea.com

gea.com